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Center for Advanced Infrastructure & Transportation
Rutgers, The State University of New Jersey

NJDOT Bureau of Research
QUARTERLY PROGRESS REPORT

Project Title:	TRANSPORTATION SAFETY RESOURCE CENTER		
RFP NUMBER:	NJDOT RESEARCH PROJECT MANAGER: Patricia Ott		
TASK ORDER NUMBER: 150 / 4-29142	PRINCIPAL INVESTIGATOR: Dr. Ali Maher		
Project Starting Date: 4/1/2004 Original Project Ending Date: 12/31/2005 Modified Completion Date:	Period Covered: 3 rd Quarter 2004		

Task	% of Total	% of Task this quarter	% of Task to date	% of Total Complete
1. Startup	25	0	100	25
2. Database Development	25	75	60	15
3. Analysis/Traffic Engineering	25	25	35	8.75
4. Technology Transfer	10	0	0	0
TOTAL	100%			48.75%

Project Objectives:

The center will strive to assist NJDOT in their efforts to improve highway safety by creating a new core program that consolidates existing efforts championed by both the Federal Highway Administration (FHWA) and the National Highway Traffic Safety Administration (NHTSA). The TSRC will provide services to the NJDOT Division of Traffic Engineering and Safety Programs, along with technical support on merging specialized data sources with the New Jersey Crash Records System.

More Specifically the TSRC will partner with the NJDOT to develop and deliver training programs and technical assistance programs to supply the locals with the preliminary analysis of crash data using advanced decision support systems. The TSRC will also provide support to the New Jersey Safety Conscious Planning (SCP) Network that has been established between NJDOT and the Metropolitan Planning Organizations (MPO). Research and Technical support will also be provided to NJDOT with the efforts to establish a comprehensive Safety Management System (SMS) which will integrate existing and yet to be identified databases involving both traditional and non-traditional stakeholders.

The center will be focused on assisting locals with developing safety solutions that meet the "tier one" or quick fix/low cost projects. By using the resources of the center, the local users will package and present their problems to NJDOT along with potential solutions. This will then allow for a much more efficient and objective response from the NJDOT.

Project Abstract:

The Transportation Safety Resource Center is a partnership between federal and state transportation agencies, local stakeholders, academic institutions, and the private sector to provide technical and educational services to address transportation safety in New Jersey.



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1. Progress this quarter by task:

- A comprehensive literature search is ongoing to identify and evaluate other centers similar to the TSRC to use as paradigms.
- During this quarter the space retrofitting is nearing completion to provide temporary offices for the TSRC.
- TSRC Executive Board meetings were held with both DOT and FHWA.
- The TSRC is represented on the SMTF and the Safety Management core group as well as the database integration committee.
- Database Development has continued and is advancing. Working with the 1997-2003 database, a portion of this database has already been geocoded. Work is being done on the part of the database that cannot be geocoded because of the identifiers. For this part of the database we are building a program that will statistically deal with these parts of the database and place them in the appropriate places.
- A collaborative database safety workshop was held to discuss the New Jersey Department of Transportation's (NJDOT) crash databases. The workshop enabled the NJDOT to convey their methods and provide database information to those who frequently use the databases and analyze crash data. The attendees included representatives from the NJDOT, Rutgers University, The North Jersey Transportation Planning Authority (NJTPA), The Delaware Valley Regional Planning Commission (DVRPC), The South Jersey Transportation Planning Organization (SJTPO), and Urbitran Associates. The workshop was of a technical nature where the existing crash databases maintained by the NJDOT were evaluated. The workshop also allowed for interaction between the NJDOT and local end users of their database to consider future adjustments and additional databases. The goal of which closely coincides with the goal of the Center's safety initiatives to develop and integrate the database systems to analyze New Jersey roadway crashes and recommend countermeasures to increase safety.
- We have begun the development of a comprehensive Safety Management Network. The Safety Management Network will be comprised of organizations within the State of New Jersey that deal with transportation safety. The list will include organizations from the government to the local level. Through the development of this network, the TSRC will be able to establish partners and reach out to the local communities to help solve transportation related safety issues. This list will give the NJDOT and the TSRC the ability to identify these locals and include them in future safety initiatives, partnerships, mailings, etc.

2. Proposed activities for next quarter by task:

- Continuation of work on the TSRC website and the launching of it.
- Moving the TSRC into the retrofitted temporary offices.
- Continuing the work on database development. During the next quarter statistical analysis will be performed on the database portions that were unable to be geocoded.
- The hiring of full time staff.

3. List of deliverables provided in this quarter by task (product date):

None at this time.

4. Progress on Implementation and Training Activities:

Not at implementation.

5. Problems/Proposed Solutions:

None at this time.



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Total Project Budget	\$850,000
Modified Contract Amount:	
Total Project Expenditure to date	\$81,607
% of Total Project Budget Expended	10%

* These are approximate expended amounts for the project; these estimates are for reference only and should not be used for official accounting purposes. For a more accurate project accounting please review the quarterly invoice for this project.